

**SOCIO-ECONOMIC BENEFITS OF
METEOROLOGICAL AND HYDROLOGICAL SERVICES**

INVENTORY OF DECISION SUPPORT TOOLS

ITEM	DESCRIPTION
Sector	ENERGY
Sub-sector	WIND POWER, DEMAND MANAGEMENT, GRID OPERATION
Tool Names	Many tools, very much the same WPPS, PREDIKTOR, PREVIENTO, WPMS, SIPREOLICO, LOCALPRED...
Tool Description	Wind power prediction
Weather, Climate or Water inputs	Weather forecast
Specific weather, climate, water data required	Wind speed at low levels 10m, 50m, 925hPa...
Spatial resolution	The finer the better
Temporal resolution	1H
Delivery methodology	Historical for learning and then real-time
Frequency of data requirement	6H
Other	Real time wind power
Detailed Tool Description	Wind power
Spatial resolution	For every wind farms
Temporal resolution	1H
Delivery methodology	e-mail, ftp
Frequency of provision	6H or Real time if the real time wind power is used to correct the forecasts
Other	
Benefits of tool application	To balance Electricity demand and supply (M€ at stake)
Possible future advances	Through Mesoscale weather forecast models, ensemble forecasts (with different models)
Comments	
URL	
Others	